

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,087,831 B2  
APPLICATION NO. : 10/663752  
DATED : August 8, 2006  
INVENTOR(S) : Tohru Den et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COVER PAGE:

(56) References Cited OTHER PUBLICATIONS

After "M.K. Nazeeruddin, et al.," : "(X<sup>+</sup>Cl<sup>-</sup>; Br<sup>-</sup>; I<sup>-</sup>; CN<sup>-</sup>; and SCN<sup>-</sup>)" should read -- (X = Cl<sup>-</sup>, Br<sup>-</sup>, I<sup>-</sup>, CN<sup>-</sup>, and SCN<sup>-</sup>) --.

(56) References Cited OTHER PUBLICATIONS, page two

After "H. Tsubomura, et al.," : ""Dy" should read -- "Dye --;

After "Routkevitch et al.," : "Devic" should read -- Device --;

After "Masuda, et al.," : "Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>" should read -- Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> --;

After "Huber, et al.," : "Camposites," should read -- Composites," --; and

After "O'Regan, et al.," : "TiO<sub>2</sub>" should read -- TiO<sub>2</sub> --.

COLUMN 2:

Line 60, "being" should read -- are being --.

COLUMN 5:

Line 49, "crystal;" should read -- crystal. --.

COLUMN 8:

Line 54, "absoptance" should read -- absorptance --; and

Line 63, "shapes. Such" should read -- shapes, such --.

COLUMN 14:

Line 6, "reference of" should read -- reference to --.

COLUMN 18:

Line 67, "1100 mL/min" should read -- 100 mL/min --.

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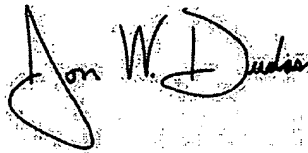
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 22:

Line 42, "fist" should read -- first --.

Signed and Sealed this

Sixth Day of March, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*